

Planck 2018 results

VI. Cosmological parameters (Corrigendum)

Planck Collaboration: N. Aghanim⁵⁴, Y. Akrami^{15,57,59}, M. Ashdown^{65,5}, J. Aumont⁹⁵, C. Baccigalupi⁷⁸, M. Ballardini^{21,41}, A. J. Banday^{95,8}, R. B. Barreiro⁶¹, N. Bartolo^{29,62}, S. Basak⁸⁵, R. Battye⁶⁴, K. Benabed^{55,90}, J.-P. Bernard^{95,8}, M. Bersanelli^{32,45}, P. Bielewicz^{75,78}, J. J. Bock^{63,10}, J. R. Bond⁷, J. Borrill^{12,93}, F. R. Bouchet^{55,90}, F. Boulanger^{89,54,55}, M. Bucher^{2,6}, C. Burigana^{44,30,47}, R. C. Butler⁴¹, E. Calabrese⁸², J.-F. Cardoso^{55,90}, J. Carron²³, A. Challinor^{58,65,11}, H. C. Chiang^{25,6}, J. Chluba⁶⁴, L. P. L. Colombo³², C. Combet⁶⁸, D. Contreras²⁰, B. P. Crill^{63,10}, F. Cuttaia⁴¹, P. de Bernardis³¹, G. de Zotti⁴², J. Delabrouille², J.-M. Delouis⁶⁷, E. Di Valentino⁶⁴, J. M. Diego⁶¹, O. Doré^{63,10}, M. Douspis⁵⁴, A. Ducout⁶⁶, X. Dupac³⁵, S. Dusini⁶², G. Efstathiou^{65,58,*}, F. Elsner⁷², T. A. Enßlin⁷², H. K. Eriksen⁵⁹, Y. Fantaye^{3,19}, M. Farhang⁷⁶, J. Fergusson¹¹, R. Fernandez-Cobos⁶¹, F. Finelli^{41,47}, F. Forastieri^{30,48}, M. Frailis⁴³, A. A. Fraisse²⁵, E. Franceschi⁴¹, A. Frolov⁸⁷, S. Galeotta⁴³, S. Galli^{55,90,*}, K. Ganga², R. T. Génova-Santos^{60,16}, M. Gerbino³⁸, T. Ghosh^{81,9}, J. González-Nuevo¹⁷, K. M. Górski^{63,97}, S. Gratton^{65,58}, A. Gruppuso^{41,47}, J. E. Gudmundsson^{94,25}, J. Hamann⁸⁶, W. Handley^{65,5}, F. K. Hansen⁵⁹, D. Herranz⁶¹, S. R. Hildebrandt^{63,10}, E. Hivon^{55,90}, Z. Huang⁸³, A. H. Jaffe⁵³, W. C. Jones²⁵, A. Karacki⁵⁹, E. Keihänen²⁴, R. Kesitalo¹², K. Kiiveri^{24,40}, J. Kim⁷², T. S. Kisner⁷⁰, L. Knox²⁷, N. Krachmalnicoff⁷⁸, M. Kunz^{14,54,3}, H. Kurki-Suonio^{24,40}, G. Lagache⁴, J.-M. Lamarre⁸⁹, A. Lasenby^{5,65}, M. Lattanzi^{48,30}, C. R. Lawrence⁶³, M. Le Jeune², P. Lemos^{58,65}, J. Lesgourgues⁵⁶, F. Levrier⁸⁹, A. Lewis^{23,*}, M. Liguori^{29,62}, P. B. Lilje⁵⁹, M. Lilley^{55,90}, V. Lindholm^{24,40}, M. López-Caniego³⁵, P. M. Lubin²⁸, Y.-Z. Ma^{77,80,74}, J. F. Macías-Pérez⁶⁸, G. Maggio⁴³, D. Maino^{32,45,49}, N. Mandolesi^{41,30}, A. Mangilli⁸, A. Marcos-Caballero⁶¹, M. Maris⁴³, P. G. Martin⁷, M. Martinelli⁹⁶, E. Martínez-González⁶¹, S. Matarrese^{29,62,37}, N. Mauri⁴⁷, J. D. McEwen⁷³, P. R. Meinhold²⁸, A. Melchiorri^{31,50}, A. Mennella^{32,45}, M. Migliaccio^{34,51}, M. Millea^{27,88,55}, S. Mitra^{52,63}, M.-A. Miville-Deschênes^{1,54}, D. Molinari^{30,41,48}, L. Montier^{95,8}, G. Morgante⁴¹, A. Moss⁸⁴, P. Natoli^{30,92,48}, H. U. Nørgaard-Nielsen¹³, L. Pagano^{30,48,54}, D. Paoletti^{41,47}, B. Partridge³⁹, G. Patanchon², H. V. Peiris²², F. Perrotta⁷⁸, V. Pettorino¹, F. Piacentini³¹, L. Polastri^{30,48}, G. Polenta⁹², J.-L. Puget^{54,55}, J. P. Rachen¹⁸, M. Reinecke⁷², M. Remazeilles⁶⁴, A. Renzi⁶², G. Rocha^{63,10}, C. Rosset², G. Roudier^{2,89,63}, J. A. Rubiño-Martín^{60,16}, B. Ruiz-Granados^{60,16}, L. Salvati⁵⁴, M. Sandri⁴¹, M. Savelainen^{24,40,71}, D. Scott²⁰, E. P. S. Shellard¹¹, C. Sirignano^{29,62}, G. Sirri⁴⁷, L. D. Spencer⁸², R. Sunyaev^{72,91}, A.-S. Suur-Uski^{24,40}, J. A. Tauber³⁶, D. Tavagnacco^{43,33}, M. Tenti⁴⁶, L. Toffolatti^{17,41}, M. Tomasi^{32,45}, T. Trombetti^{44,48}, L. Valenziano⁴¹, J. Valiviita^{24,40}, B. Van Tent⁶⁹, L. Vibert^{54,55}, P. Vielva⁶¹, F. Villa⁴¹, N. Vittorio³⁴, B. D. Wandell^{55,90}, I. K. Wehus⁵⁹, M. White²⁶, S. D. M. White⁷², A. Zacchei⁴³, and A. Zonca⁷⁹

(Affiliations can be found after the references)

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In the original version, the bounds given in Eqs. (87a) and (87b) on the contribution to the early-time optical depth, $\tau(15, 30)$, contained a numerical error in deriving the 95th percentile from the Monte Carlo samples. The corrected 95% upper bounds are:

$$\tau(15, 30) < 0.018 \quad (\text{lowE, flat } \tau(15, 30), \text{ FlexKnot}); \quad (1)$$

$$\tau(15, 30) < 0.023 \quad (\text{lowE, flat knot, FlexKnot}). \quad (2)$$

These bounds are a factor of ~ 3 larger than the originally reported results. Consequently, the new bounds do not significantly improve upon previous results from *Planck* data presented in Millea & Bouchet (2018) as was stated, but are instead comparable. Equations (1) and (2) give results that are now similar to those of Heinrich & Hu (2021), who used the same *Planck* 2018 data to derive a 95 % upper bound of 0.020 using the principal component analysis (PCA) model and uniform priors on the PCA mode amplitudes.

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* Corresponding authors: G. Efstathiou, e-mail: gpe@ast.cam.ac.uk; S. Galli, e-mail: gallis@iap.fr; A. Lewis, e-mail: antony@cosmologist.info

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- 1 AIM, CEA, CNRS, Université Paris-Saclay, Université Paris-Diderot, Sorbonne Paris Cité, 91191 Gif-sur-Yvette, France
- 2 APC, AstroParticule et Cosmologie, Université Paris Diderot, CNRS/IN2P3, CEA/Irfu, Observatoire de Paris, Sorbonne Paris Cité, 10, rue Alice Domon et Léonie Duquet, 75205 Paris Cedex 13, France
- 3 African Institute for Mathematical Sciences, 6-8 Melrose Road, Muizenberg, Cape Town, South Africa
- 4 Aix Marseille Univ, CNRS, CNES, LAM, Marseille, France
- 5 Astrophysics Group, Cavendish Laboratory, University of Cambridge, J J Thomson Avenue, Cambridge CB3 0HE, UK
- 6 Astrophysics & Cosmology Research Unit, School of Mathematics, Statistics & Computer Science, University of KwaZulu-Natal, Westville Campus, Private Bag X54001, Durban 4000, South Africa
- 7 CITA, University of Toronto, 60 St. George St., Toronto, ON M5S 3H8, Canada
- 8 CNRS, IRAP, 9 Av. colonel Roche, BP 44346, 31028 Toulouse cedex 4, France
- 9 Cahill Center for Astronomy and Astrophysics, California Institute of Technology, Pasadena, CA 91125, USA

- ¹⁰ California Institute of Technology, Pasadena, CA, USA
- ¹¹ Centre for Theoretical Cosmology, DAMTP, University of Cambridge, Wilberforce Road, Cambridge CB3 0WA, UK
- ¹² Computational Cosmology Center, Lawrence Berkeley National Laboratory, Berkeley, CA, USA
- ¹³ DTU Space, National Space Institute, Technical University of Denmark, Elektrovej 327, 2800 Kgs. Lyngby, Denmark
- ¹⁴ Département de Physique Théorique, Université de Genève, 24, Quai E. Ansermet, 1211 Genève 4, Switzerland
- ¹⁵ Département de Physique, École normale supérieure, PSL Research University, CNRS, 24 rue Lhomond, 75005 Paris, France
- ¹⁶ Departamento de Astrofísica, Universidad de La Laguna (ULL), 38206 La Laguna, Tenerife, Spain
- ¹⁷ Departamento de Física, Universidad de Oviedo, C/ Federico García Lorca, 18, Oviedo, Spain
- ¹⁸ Department of Astrophysics/IMAPP, Radboud University, PO Box 9010, 6500 GL Nijmegen, The Netherlands
- ¹⁹ Department of Mathematics, University of Stellenbosch, Stellenbosch 7602, South Africa
- ²⁰ Department of Physics & Astronomy, University of British Columbia, 6224 Agricultural Road, Vancouver, British Columbia, Canada
- ²¹ Department of Physics & Astronomy, University of the Western Cape, Cape Town 7535, South Africa
- ²² Department of Physics and Astronomy, University College London, London WC1E 6BT, UK
- ²³ Department of Physics and Astronomy, University of Sussex, Brighton BN1 9QH, UK
- ²⁴ Department of Physics, Gustaf Hällströmin katu 2a, University of Helsinki, Helsinki, Finland
- ²⁵ Department of Physics, Princeton University, Princeton NJ, USA
- ²⁶ Department of Physics, University of California, Berkeley, CA, USA
- ²⁷ Department of Physics, University of California, One Shields Avenue, Davis, CA, USA
- ²⁸ Department of Physics, University of California, Santa Barbara CA, USA
- ²⁹ Dipartimento di Fisica e Astronomia G. Galilei, Università degli Studi di Padova, Via Marzolo 8, 35131 Padova, Italy
- ³⁰ Dipartimento di Fisica e Scienze della Terra, Università di Ferrara, Via Saragat 1, 44122 Ferrara, Italy
- ³¹ Dipartimento di Fisica, Università La Sapienza, P. le A. Moro 2, Roma, Italy
- ³² Dipartimento di Fisica, Università degli Studi di Milano, Via Celoria, 16, Milano, Italy
- ³³ Dipartimento di Fisica, Università degli Studi di Trieste, Via A. Valerio 2, Trieste, Italy
- ³⁴ Dipartimento di Fisica, Università di Roma Tor Vergata, Via della Ricerca Scientifica, 1, Roma, Italy
- ³⁵ European Space Agency, ESAC, Planck Science Office, Camino bajo del Castillo, s/n, Urbanización Villafranca del Castillo, Villanueva de la Cañada, Madrid, Spain
- ³⁶ European Space Agency, ESTEC, Keplerlaan 1, 2201 AZ Noordwijk, The Netherlands
- ³⁷ Gran Sasso Science Institute, INFN, Viale F. Crispi 7, 67100 L'Aquila, Italy
- ³⁸ HEP Division, Argonne National Laboratory, Lemont, IL 60439, USA
- ³⁹ Haverford College Astronomy Department, 370 Lancaster Avenue, Haverford, PA, USA
- ⁴⁰ Helsinki Institute of Physics, Gustaf Hällströmin katu 2, University of Helsinki, Helsinki, Finland
- ⁴¹ INAF – OAS Bologna, Istituto Nazionale di Astrofisica – Osservatorio di Astrofisica e Scienza dello Spazio di Bologna, Area della Ricerca del CNR, Via Gobetti 101, 40129 Bologna, Italy
- ⁴² INAF – Osservatorio Astronomico di Padova, Vicolo dell'Osservatorio 5, Padova, Italy
- ⁴³ INAF – Osservatorio Astronomico di Trieste, Via G.B. Tiepolo 11, Trieste, Italy
- ⁴⁴ INAF, Istituto di Radioastronomia, Via Piero Gobetti 101, 40129 Bologna, Italy
- ⁴⁵ INAF/IASF Milano, Via E. Bassini 15., Milano, Italy
- ⁴⁶ INFN – CNAF, Viale Berti Pichat 6/2, 40127 Bologna, Italy
- ⁴⁷ INFN, Sezione di Bologna, Viale Berti Pichat 6/2, 40127 Bologna, Italy
- ⁴⁸ INFN, Sezione di Ferrara, Via Saragat 1, 44122, Ferrara, Italy
- ⁴⁹ INFN, Sezione di Milano, Via Celoria 16, Milano, Italy
- ⁵⁰ INFN, Sezione di Roma 1, Università di Roma Sapienza, Piazzale Aldo Moro 2, 00185 Roma, Italy
- ⁵¹ INFN, Sezione di Roma 2, Università di Roma Tor Vergata, Via della Ricerca Scientifica, 1, Roma, Italy
- ⁵² IUCAA, Post Bag 4, Ganeshkhind, Pune University Campus, Pune 411 007, India
- ⁵³ Imperial College London, Astrophysics group, Blackett Laboratory, Prince Consort Road, London SW7 2AZ, UK
- ⁵⁴ Institut d'Astrophysique Spatiale, CNRS, Univ. Paris-Sud, Université Paris-Saclay, Bât. 121, 91405 Orsay cedex, France
- ⁵⁵ Institut d'Astrophysique de Paris, CNRS (UMR7095), 98 bis Boulevard Arago, 75014 Paris, France
- ⁵⁶ Institut für Theoretische Teilchenphysik und Kosmologie, RWTH Aachen University, 52056 Aachen, Germany
- ⁵⁷ Institute Lorentz, Leiden University, PO Box 9506, Leiden 2300 RA, The Netherlands
- ⁵⁸ Institute of Astronomy, University of Cambridge, Madingley Road, Cambridge CB3 0HA, UK
- ⁵⁹ Institute of Theoretical Astrophysics, University of Oslo, Blindern, Oslo, Norway
- ⁶⁰ Instituto de Astrofísica de Canarias, C/Vía Láctea s/n, La Laguna, Tenerife, Spain
- ⁶¹ Instituto de Física de Cantabria (CSIC-Universidad de Cantabria), Avda. de los Castros s/n, Santander, Spain
- ⁶² Istituto Nazionale di Fisica Nucleare, Sezione di Padova, Via Marzolo 8, 35131 Padova, Italy
- ⁶³ Jet Propulsion Laboratory, California Institute of Technology, 4800 Oak Grove Drive, Pasadena, CA, USA
- ⁶⁴ Jodrell Bank Centre for Astrophysics, Alan Turing Building, School of Physics and Astronomy, The University of Manchester, Oxford Road, Manchester M13 9PL, UK
- ⁶⁵ Kavli Institute for Cosmology Cambridge, Madingley Road, Cambridge CB3 0HA, UK
- ⁶⁶ Kavli Institute for the Physics and Mathematics of the Universe (Kavli IPMU, WPI), UTIAS, The University of Tokyo, Chiba 277-8583, Japan
- ⁶⁷ Laboratoire d'Océanographie Physique et Spatiale (LOPS), Univ. Brest, CNRS, Ifremer, IRD, Brest, France
- ⁶⁸ Laboratoire de Physique Subatomique et Cosmologie, Université Grenoble-Alpes, CNRS/IN2P3, 53, rue des Martyrs, 38026 Grenoble Cedex, France
- ⁶⁹ Laboratoire de Physique Théorique, Université Paris-Sud 11 & CNRS, Bâtiment 210, 91405 Orsay, France
- ⁷⁰ Lawrence Berkeley National Laboratory, Berkeley, CA, USA
- ⁷¹ Low Temperature Laboratory, Department of Applied Physics, Aalto University, Espoo 00076, AALTO, Finland
- ⁷² Max-Planck-Institut für Astrophysik, Karl-Schwarzschild-Str. 1, 85741 Garching, Germany
- ⁷³ Mullard Space Science Laboratory, University College London, Surrey RH5 6NT, UK
- ⁷⁴ NAOC-UKZN Computational Astrophysics Centre (NUCAC), University of KwaZulu-Natal, Durban 4000, South Africa
- ⁷⁵ National Centre for Nuclear Research, ul. L. Pasteura 7, 02-093 Warsaw, Poland
- ⁷⁶ Physics Department, Shahid Beheshti University, Velenjak, Tehran 19839, Iran
- ⁷⁷ Purple Mountain Observatory, No. 8 Yuan Hua Road, 210034 Nanjing, PR China

- ⁷⁸ SISSA, Astrophysics Sector, Via Bonomea 265, 34136 Trieste, Italy
- ⁷⁹ San Diego Supercomputer Center, University of California, San Diego, 9500 Gilman Drive, La Jolla, CA 92093, USA
- ⁸⁰ School of Chemistry and Physics, University of KwaZulu-Natal, Westville Campus, Private Bag X54001, Durban 4000, South Africa
- ⁸¹ School of Physical Sciences, National Institute of Science Education and Research, HBNI, Jatni 752050, Odissa, India
- ⁸² School of Physics and Astronomy, Cardiff University, Queens Buildings, The Parade, Cardiff CF24 3AA, UK
- ⁸³ School of Physics and Astronomy, Sun Yat-sen University, 2 Daxue Rd, Tangjia, Zhuhai, PR China
- ⁸⁴ School of Physics and Astronomy, University of Nottingham, Nottingham NG7 2RD, UK
- ⁸⁵ School of Physics, Indian Institute of Science Education and Research Thiruvananthapuram, Maruthamala PO, Vithura, Thiruvananthapuram 695551, Kerala, India
- ⁸⁶ School of Physics, The University of New South Wales, Sydney, NSW 2052, Australia
- ⁸⁷ Simon Fraser University, Department of Physics, 8888 University Drive, Burnaby, BC, Canada
- ⁸⁸ Sorbonne Université, Institut Lagrange de Paris (ILP), 98 bis Boulevard Arago, 75014 Paris, France
- ⁸⁹ Sorbonne Université, Observatoire de Paris, Université PSL, École normale supérieure, CNRS, LERMA, 75005 Paris, France
- ⁹⁰ Sorbonne Université, UMR7095, Institut d'Astrophysique de Paris, 98 bis Boulevard Arago, 75014 Paris, France
- ⁹¹ Space Research Institute (IKI), Russian Academy of Sciences, Profsoyuznaya Str, 84/32, Moscow 117997, Russia
- ⁹² Space Science Data Center – Agenzia Spaziale Italiana, Via del Politecnico snc, 00133 Roma, Italy
- ⁹³ Space Sciences Laboratory, University of California, Berkeley, CA, USA
- ⁹⁴ The Oskar Klein Centre for Cosmoparticle Physics, Department of Physics, Stockholm University, AlbaNova 106 91 Stockholm, Sweden
- ⁹⁵ Université de Toulouse, UPS-OMP, IRAP, 31028 Toulouse cedex 4, France
- ⁹⁶ University of Heidelberg, Institute for Theoretical Physics, Philosophenweg 16, 69120 Heidelberg, Germany
- ⁹⁷ Warsaw University Observatory, Aleje Ujazdowskie 4, 00-478 Warszawa, Poland